

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 12:12 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 077 Const Calendar Day: 548 Date: 10-Mar-2011 Thursday

Inspector Name: Iranmanesh, Abbas Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Boal, Brian Approved Date: 10-Oct-13 Status: Approved

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature 7 AM 12 PM 4PM

Precipitation Condition

Working Day ☐ If no, explain:**Diary:**

Dispute

Work description.☐

The West Saddles Adjustment:

1. The ABF crew continued adjusting the West deviation saddle by using the hydraulic bolt tighter. Since the saddle is not a tin plate application of any force especially when there is a gap between the shims under the saddle end plate, forcing the saddle by tightening the nut with washer in order to reach a desired position will create stresses at the saddle end plate and even the saddle skin plate. The magnitude and their distribution through out the saddle are unknown. Such stresses have not been predicted in the saddle design. Consequently, forcing the saddle to reach a pre-determined position will damage the saddle and depending on the provided factor of safety in the design, it might fail through the years after application of the loads when the bridge is under the service loads. The saddles have to be adjusted in a free state of stress, and all the bolts, which have been tightened, by the hydraulic bolt tighter should be released. In the process of un-tightening the nuts, creation of any gap behind the saddle at the anchor bolt position should be filled with proper size shim.

ABF Crews:

- Kubala, Jerry (IWF)
- Hernandez, walter (IWJ)
- Hernandez, Roberto (IWJ)
- Calzascia, Jonny (IWJ)
- Melgar, Felix (Laborer)
- James Allen (Surveyor)
- Bob Andres (Surveyor)

Equipment:

- Man lift

Attachment

ddrRptbyBidItem

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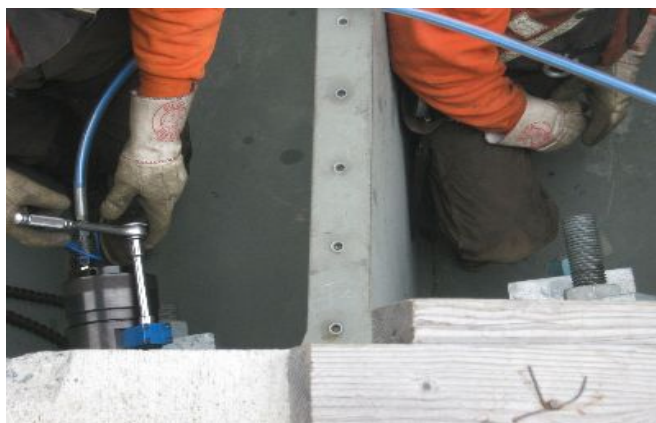
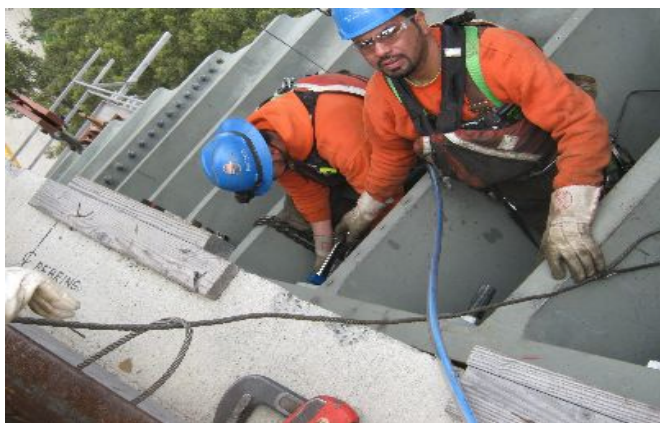
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